

CLAIMS

SUB A1

1. A color display device, comprising:  
a colored light generation unit for repetitively generating a plurality of colored  
5 lights in a time sequence with a predetermined frequency; and  
an image generation unit for processing said plurality of colored lights, so as to  
generate an image corresponding to each of said plurality of colored lights generated in a  
time sequence, wherein said predetermined frequency is 180 Hz.
- 10 2. The color display device according to claim 1, wherein said predetermined  
frequency is 250 Hz.
- 15 3. The color display device according to claim 1, wherein said predetermined  
frequency is 300 Hz.
- 20 4. The color display device according to any of claims 1 to 3, wherein said colored  
light generation unit comprises a light source, and a color filter for generating said  
plurality of colored lights from light coming from said light source.
- 25 5. The color display device according to any of claims 1 to 3, wherein said colored  
light generation unit comprises a plurality of light sources for emitting colored lights  
different from each other,  
wherein said plurality of light sources turn on in a time sequence.
6. The color display device according to any of claims 1 to 5, wherein said image

0 9 5 0 2 1 6 - 0 2 2 0 0

generation unit is a reflected type electro-optical device.

7. The color display device according to claim 6, wherein said electro-optical device is a liquid crystal device.

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8. The color display device according to claim 6, wherein said electro-optical device is a digital micro-mirror device.

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9. The color display device according to any of claims 1 to 5, wherein said image generation unit comprises a transparent-type electro-optical device.

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10. The color display device according to claim 1, further comprising a lens for projecting said image.

11. A color display method, comprising:  
a colored light generation step for repetitively generating a plurality of colored lights in a time sequence with a predetermined frequency; and  
an image generation step for processing said plurality of colored lights, so as to generate an image corresponding to each of said plurality of colored lights is generated in a time sequence, wherein said predetermined frequency is 180 Hz.

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12. The color display method according to claim 11, wherein said predetermined frequency is 250 Hz.

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13. The color display method according to claim 11, wherein said predetermined frequency is 300 Hz.

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